

(i) to prioritize the organization and management of Committee meetings; and

(ii) to produce written archival records of Committee actions.

(6) INFORMATION SHARING AND CONSULTATION.—The chairperson and each lead member shall—

(A) keep the Committee fully informed of their respective activities on behalf of the Committee; and

(B) consult the Committee before taking any material action under this section.

(7) DUTIES.—

(A) RECEIPT OF APPLICATIONS AND LICENSES.—The Administrator, the Secretary, and the Commission shall refer all applications and licenses to the Committee, and the Committee shall receive such applications and licenses, for review and determination.

(B) REVIEW OF APPLICATIONS AND LICENSES.—

(i) IN GENERAL.—The Committee shall—

(I) conduct a review and assessment of each application and license received;

(II) with respect to each such application and license—

(aa) submit questions or requests for information to the applicant, licensee, or any other entity for purposes of the assessment under item (bb);

(bb) assess whether granting the application or maintaining the license would pose a risk to the national security or law enforcement or public safety interests of the United States;

(cc) in the case of an application or a license with respect to which the Committee determines such a risk exists, determine whether, as applicable—

(AA) the application should be granted or denied; or

(BB) the license should be maintained or revoked; and

(dd) in the case of an application or license determined to pose such a risk that may be addressed through approval with conditions—

(AA) not later than 30 days after the date on which the Committee receives such application or license for review, propose to the Administrator, the Secretary, or the Commission, as applicable, the measures necessary to address the risk, and recommend that the application only be granted, or the license only maintained, on the condition of compliance by the applicant or licensee with such measures;

(BB) if the Administrator, the Secretary, or the Commission approves the measures proposed under subitem (AA) and grants the application, or maintains the license, communicate with the applicant or licensee with respect to such measures; and

(CC) monitor compliance with such measures.

(ii) TIMELINE.—Not later than 30 days after the date on which the chairperson determines under subparagraph (D) that the response of the applicant or licensee to any question or information request is complete, the Committee shall complete the review under this subparagraph.

(iii) NOTIFICATION.—The chairperson shall notify the Administrator, the Secretary, or the Commission, as applicable, of any application or license determined by the Committee to warrant a secondary assessment.

(C) SECONDARY ASSESSMENT OF APPLICATIONS AND LICENSES.—

(i) IN GENERAL.—The Committee shall—

(I) conduct a secondary assessment of any application or license determined by the Committee to pose a risk to the national security or law enforcement or public safety interests of the United States that cannot be addressed through standard mitigation measures; and

(II) with respect to each such application or license—

(aa) submit additional questions or requests for information to the applicant, licensee, or any other entity to determine whether there are unresolved concerns; and

(bb) make a recommendation to the Administrator, the Secretary, or the Commission, as applicable, on whether the application should be denied or the license should be revoked.

(ii) TIMELINE.—Not later than 90 days after the date on which the Committee determines that a secondary assessment under this subparagraph is warranted, the Committee shall complete the assessment.

(iii) NOTIFICATION.—The chairperson, in coordination with the Administrator, the Secretary, and the Commission, shall notify the National Security Council and the President of any application or license with respect to which the Committee recommends a denial or revocation.

(D) REQUESTS FOR ADDITIONAL INFORMATION.—

(i) IN GENERAL.—Not later than 15 days after receiving a response to questions or requests for additional information submitted to an applicant, licensee, or any other entity pursuant to an review under subparagraph (B) or a secondary assessment under subparagraph (C), the Committee shall—

(I) make a determination as to whether such response is complete; and

(II) notify the Administrator, the Secretary, or the Commission, as applicable, of such determination.

(ii) FAILURE TO RESPOND.—

(I) IN GENERAL.—In the case of an applicant, licensee, or other entity that fails to respond to such questions or requests for additional information, the Committee may make a recommendation to the Administrator, the Secretary, or the Commission, as applicable—

(aa) to deny the application concerned without prejudice; or

(bb) to rescind the license concerned.

(II) NOTIFICATION.—

(aa) EXTENSION.—The chairperson shall notify the Administrator, the Secretary, or the Commission, as applicable, of any extension of the review or secondary assessment period.

(bb) DENIAL.—The chairperson, in coordination with the Administrator, the Secretary, or the Commission, as applicable, shall notify the National Security Council and the President of any recommendation by the Committee to deny an application or rescind a license.

(iii) CONFIDENTIALITY.—Information submitted to the Committee shall not be disclosed to any individual or entity outside the departments or agencies of Committee members and Committee advisors, except as appropriate and consistent with procedures governing the handling of classified or otherwise privileged information.

(E) NOTIFICATION OF NO OBJECTIONS.—If the Committee does not have a recommendation or an objection to granting an application or maintaining a license, the Committee shall so notify the Administrator, the Secretary, or the Commission, as applicable.

(F) OTHER DUTIES.—The Committees shall conduct other related duties, as the chairperson considers appropriate.

(c) THREAT ANALYSIS.—With respect to each application and license reviewed by the Committee, the Director of National Intelligence, in coordination with the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)), shall issue a written assessment of any threat to the national security interests of the United States posed by granting the application or maintaining the license.

SA 4254. Ms. HASSAN (for herself and Mr. THUNE) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title II, insert the following:

SEC. 2. APPLICATION OF PUBLIC-PRIVATE TALENT EXCHANGE PROGRAMS IN THE DEPARTMENT OF DEFENSE TO QUANTUM INFORMATION SCIENCES AND TECHNOLOGY RESEARCH.

In carrying out section 1599g of title 10, United States Code, the Secretary of Defense may establish public-private exchange programs, each with up to 10 program participants, focused on private sector entities working on quantum information sciences and technology research applications.

SEC. 2. MODIFICATION OF SCIENCE, MATHEMATICS, AND RESEARCH FOR TRANSFORMATION (SMART) DEFENSE EDUCATION PROGRAM.

(a) IN GENERAL.—Section 2192a(b) of title 10, United States Code, is amended by adding at the end the following new paragraphs:

“(4) The Secretary shall, to the degree the Secretary considers practicable and appropriate, allow a person receiving financial assistance under this section to delay completion of the person’s service obligation under this section until the person has completed—

“(A) the terminal degree program of education that is typically expected in the field the person is pursuing; or

“(B) a post-graduate fellowship at a non-Department laboratory.

“(5) In employing participants during the period of obligated service, the Secretary shall strive to ensure that participants are compensated, to the extent practicable, at a rate that is comparable to the rate of compensation for employment in a similar position in the private sector.”.

(b) REPORT ON QUANTUM SCIENCE ACTIVITIES WITHIN SMART PROGRAM.—Not later than three years after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report on participation and use of the program under section 2192a of title 10, United States Code, as amended by this subsection, with a particular focus on levels of interest from students engaged in studying quantum fields.

SEC. 2. IMPROVEMENTS TO DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.

(a) FELLOWSHIPS.—Section 234 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 10 U.S.C. 2358 note) is amended—

(1) by redesignating subsection (f) as subsection (g); and

(2) by inserting after subsection (e) the following new subsection (f):

“(f) FELLOWSHIPS.—

“(1) PROGRAM REQUIRED.—In carrying out the program required by subsection (a) and subject to the availability of appropriations to carry out this subsection, the Secretary shall carry out a program of fellowships in quantum information science and technology research and development for individuals who have a graduate or post-graduate degree.

“(2) GUIDELINES.—The Secretary shall award fellowships under the program required by paragraph (1) pursuant to guidelines that the Secretary shall establish and using appropriate authorities and programs available to the Secretary.

“(3) EQUAL ACCESS.—In carrying out the program required by paragraph (1), the Secretary shall establish procedures to ensure that minority, geographically diverse, and economically disadvantaged students have equal access to fellowship opportunities under such program.”.

(b) MULTIDISCIPLINARY PARTNERSHIPS WITH UNIVERSITIES.—Such section is further amended—

(1) by redesignating subsection (g), as redesignated by subsection (a)(1), as subsection (h); and

(2) by inserting after subsection (f), as added by subsection (a)(2), the following new subsection (g):

“(g) MULTIDISCIPLINARY PARTNERSHIPS WITH UNIVERSITIES.—In carrying out the program under subsection (a), the Secretary of Defense may develop partnerships with universities to enable students to engage in multidisciplinary courses of study.”.

(c) COMPTROLLER GENERAL OF THE UNITED STATES ASSESSMENT OF PROGRAM.—

(1) ASSESSMENT AND BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall—

(A) commence an assessment of the program carried out under section 234 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 10 U.S.C. 2358 note), as amended by this section, with consideration of the report submitted under subsection (h) of such section (as redesignated by subsection (b)(2) of this section); and

(B) provide the congressional defense committees a briefing on the preliminary findings of the Comptroller General with respect to such program.

(2) FINAL REPORT.—At a date agreed to by the Comptroller General and the congressional defense committees at the briefing provided pursuant to paragraph (1)(B), the Comptroller General shall submit to the congressional defense committees a final report with the findings of the Comptroller General with respect to the assessment conducted under paragraph (1)(A).

SEC. 2. IMPROVEMENTS TO NATIONAL QUANTUM INITIATIVE PROGRAM.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the execution of the National Defense Strategy is critical to national security; and

(2) the success of the National Quantum Initiative Program is necessary for the Department of Defense to carry out the National Defense Strategy.

(b) DEPARTMENT OF DEFENSE PARTICIPATION IN NATIONAL QUANTUM INITIATIVE PROGRAM.—

(1) CONSULTATION.—Section 234 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 10 U.S.C. 2358 note), as amended by section [2], is further amended by inserting after subsection (h), as redesignated by section [2], the following new subsection:

“(i) CONSULTATION.—The Secretary of Defense shall consult with the Secretary of Energy, the Director of the National Institute of Standards and Technology, the Director of the National Science Foundation, and such other officials as the Secretary of Defense considers appropriate in development of efforts to conduct basic research to accelerate scientific breakthroughs in quantum information science and technology.”.

(c) ADDITIONAL IMPROVEMENTS REGARDING CONSULTATION AND COORDINATION.—

(1) IN GENERAL.—The Secretary of Energy, the Secretary of Commerce acting through

the Director of the National Institute of Standards and Technology, the Director of the National Science Foundation, and the heads of other Federal agencies participating in the National Quantum Initiative Program shall consult with each other and the heads of other relevant Federal agencies, including the Secretary of Defense and the Director of National Intelligence, to carry out the goals of the National Quantum Initiative Program.

(2) INVOLVEMENT OF DEPARTMENT OF DEFENSE AND INTELLIGENCE COMMUNITY IN NATIONAL QUANTUM INITIATIVE ADVISORY COMMITTEE.—

(A) QUALIFICATIONS.—Subsection (b) of section 104 of the National Quantum Initiative Act (Public Law 115-368; 15 U.S.C. 8814) is amended by striking “and Federal laboratories” and inserting “Federal laboratories, and defense and intelligence researchers”.

(B) INTEGRATION.—Such section is amended—

(i) by redesignating subsections (e) through (g) as subsection (f) through (h), respectively; and

(ii) by inserting after subsection (d) the following new subsection (e):

“(e) INTEGRATION OF DEPARTMENT OF DEFENSE AND INTELLIGENCE COMMUNITY.—The Advisory Committee shall take such actions as may be necessary, including by modifying policies and procedures of the Advisory Committee, to ensure the full integration of the Department of Defense and the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) in activities of the Advisory Committee.”.

(3) CLARIFICATION OF PURPOSE OF MULTIDISCIPLINARY CENTERS FOR QUANTUM RESEARCH AND EDUCATION.—Section 302(c) of the National Quantum Initiative Act (Public Law 115-368; 15 U.S.C. 8842(c)) is amended—

(A) in paragraph (2), by striking “; and” and inserting a semicolon;

(B) in paragraph (3), by striking the period at the end and inserting “; and”; and

(C) by adding at the end the following new paragraph:

“(4) encouraging workforce collaboration, both with private industry and among Federal entities, including national defense agencies and the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)).”.

(4) COORDINATION OF NATIONAL QUANTUM INFORMATION SCIENCE RESEARCH CENTERS.—Section 402(d) of the National Quantum Initiative Act (Public Law 115-368; 15 U.S.C. 8852(d)) is amended—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(B) by inserting after paragraph (1) the following new paragraph (2):

“(2) other research entities of the Federal government, including research entities in the Department of Defense and research entities in the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)).”.

(5) NATIONAL QUANTUM COORDINATION OFFICE, COLLABORATION WHEN REPORTING TO CONGRESS.—Section 102 of the National Quantum Initiative Act (Public Law 115-368; 15 U.S.C. 8812) is amended—

(A) by redesignating subsection (c) as subsection (d); and

(B) by inserting after subsection (b) the following new subsection (c):

“(c) COLLABORATION WHEN REPORTING TO CONGRESS.—The Coordination Office shall ensure that when participants in the National Quantum Initiative Program prepare and submit reports to Congress that they do so in collaboration with each other and as appropriate Federal civilian, defense, and intelligence research entities.”.

(6) REPORTING TO ADDITIONAL COMMITTEES OF CONGRESS.—Paragraph (2) of section 2 of

such Act (15 U.S.C. 8801) is amended to read as follows:

“(2) APPROPRIATE COMMITTEES OF CONGRESS.—The term ‘appropriate committees of Congress’ means—

“(A) the Committee on Commerce, Science, and Transportation, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and

“(B) the Committee on Energy and Commerce, the Committee on Science, Space, and Technology, the Committee on Armed Services, and the Permanent Select Committee on Intelligence of the House of Representatives.”.

SA 4255. Ms. HASSAN submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. . SUPPORT AND SERVICES FOR CRITICAL INFRASTRUCTURE.

Section 2012 of title 10, United States Code, is amended—

(1) in subsection (e)—

(A) by redesignating paragraph (3) as paragraph (4); and

(B) by inserting after paragraph (2) the following new paragraph (3):

“(3) Critical infrastructure (as defined in the Critical Infrastructures Protection Act of 2001 (42 U.S.C. 5195c)).”; and

(2) in subsection (f), by adding at the end the following new paragraph:

“(5) Procedures to ensure that assistance provided to an entity specified in subsection (e)(3) is provided in a manner that is consistent with similar assistance provided under authorities applicable to other Federal departments and agencies, including the authorities of the Cybersecurity and Infrastructure Agency under title XXII of the Homeland Security Act of 2002 (6 U.S.C. 651 et seq.).”.

SA 4256. Mr. LEE submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle E of title III, add the following:

SEC. 376. BRIEFING ON AIR FORCE PLAN FOR CERTAIN AEROSPACE GROUND EQUIPMENT MODERNIZATION.

Not later than March 1, 2022, the Secretary of the Air Force shall provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on current and future plans for the replacement of aging aerospace ground equipment, which shall include—

(1) an analysis of the average yearly cost to the Air Force of maintaining legacy and out-of-production air start carts;